

Abstract of the Disclosure

A method and apparatus reduces error in a communication system that includes multiple
5 orthogonal subcarriers by suppressing a subcarrier in a transmitting communication device and by
equalizing a received signal in a receiving communication device. Subcarrier suppression is based
on a determination of a signal quality metric with respect to each subcarrier or is based on a
determination of excessive signal power overdriving an amplifier of the receiving communication
device. Equalization of the received signal is based on an equalization function that reduces a
10 multipath delay introduced to the transmitted signal when the multipath delay exceeds a tolerable
multipath delay.